

Abstract

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Method and Device for the Automatic Recognition
of Distorted Speech Data

10 A method and a device for processing distorted short-term
speech spectra for automatic speech recognition is described.
The method comprises providing a set of reference speech spec-
tra, determining the reference speech spectra of the set of
references speech spectra which corresponds to the distorted
15 short-term speech spectra, estimating a frequency response
taking into account both the distorted short-term speech spec-
tra and the corresponding reference speech spectra, and compen-
sating the distorted short-term speech spectra based on the
estimated frequency response.

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(Fig. 1)

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